

**RULES
OF
TENNESSEE DEPARTMENT OF CONSERVATION
DIVISION OF SURFACE MINING**

**CHAPTER 0400-3-6
BLASTING**

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0400-3-6-.01 RELEVANT PUBLICATIONS AND PUBLIC LAWS.

The use of blasting agents relevant in the production of certain minerals regulated by the Tennessee Surface Mining Law, Sections 58-1540 through 59-1564 T.C.A. shall be in accordance with the specifications set forth in the U.S. Department of the Interior, Mining Enforcement and Safety Administration Health and Safety Standards and Regulations, paragraph 57-6 Explosives. Further, Surface Mine Operators shall comply with the Tennessee Blasting Standards Act of 1975, Chapter 93, Public Acts of 1975, administered by the Commissioner of Insurance. Blasting definitions shall be in accordance with the above references.

0400-3-6-.02 BLASTING REGULATIONS.

- (1) Blasting Time. Blasting shall be limited to the hours between sunrise and sunset. Blasting on Sunday is prohibited.
- (2) Blasting Warning. When blasting is to occur within 1000 feet of an occupied dwelling or outbuildings, the operator or his authorized representative shall notify all persons involved that a blast is to be detonated, stating the approximate time. A one hour notification must be given prior to and immediately after blasting.
- (3) Approaches to Blast Area. All approaches to the blast area shall be guarded against unauthorized entry prior to and after blasting.
- (4) Blasting Prohibited.
 - (a) Blasting may be prohibited where conditions in spoil slopes, due to wetting of the mass, are such that landslides may be initiated by blasting.
 - (b) The Director of Surface Mining or his authorized representative may prohibit blasting in specific areas where it is deemed necessary for public safety.
- (5) Control of Blasting. The amount of charge, length of stemming and number of delays shall be so as to prevent damage to adjoining properties, to minimize contamination of the atmosphere, to minimize effects to the quality of water of streams, and to minimize disturbance of wildlife within the area.

0400-3-6-.03 RECORDS. A record of each blast shall be kept. All records, reports, shall be retained at least two years and shall be available for inspection and shall contain the following minimum data:

- (a) Name of Company or Contractor.
- (b) Location, date, and time of blast.
- (c) Name, signature of blaster in charge.

- (d) Number of holes, burden, spacing, and length of stemming.
- (e) Diameter and depth of holes.
- (f) Types of explosives used (trade name and strength).
- (g) Total amount of charge used.
- (h) Maximum amount of charges per delay period of eight (8) milli-seconds or greater.
- (i) Weather conditions.
- (j) The person taking the seismograph reading shall accurately indicate exact location of seismograph if used, and shall show the distance of seismograph from blast.
- (k) Seismograph records, where required:
 - 1. Name of person and firm analyzing the seismograph record.

Authority: T.C.A. Section 58-1543. **Administrative History.** Original Rule certified May 24, 1974. Amended: Filed May 17, 1974; Effective June 17, 1974. Amended, filed November 12, 1975, effective December 12, 1975.